1    RE-ORDERING REQUESTS FOR SHARED RESOURCES

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3    <u>Abstract of the Disclosure</u>

4    In accordance with one embodiment, a method re-orders requests for

5    shared resources.  The method includes receiving requests for accessing the shared

6    resources from one or more requestors, wherein a plurality of requests may be

7    received from each requestor; arbitrating between the plurality of requests in such a

8    way so that the plurality of requests from each requestor may be re-ordered in non-

9    FIFO order; and selecting a next request to access the shared resources based on

10   the re-ordering of requests. In accordance with another embodiment, a system re-

11   orders requests for shared resources.  The system includes one or more requestors

12   for sending requests for accessing the shared resources, wherein a plurality of

13   requests may be received from each requestor; and an arbiter for arbitrating between

14   the plurality of requests in such a way so that the plurality of requests from each

15   requestor may be re-ordered in non-FIFO order.